GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:4484
ANSWERED ON:14.12.2016
Standardised Calibration of Instruments
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Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether as per the National Physical Laboratory (NPL) of CSIR, most of the pollution measuring instruments and Blood Pressure, sugar reader and other bio-medical equipment in the country are not calibrated to standardised form leading to inaccurate or different data or reading;
(b) if so, the details thereof and the reasons therefor;
(c) whether CSIR has asked the Central Pollution Control Board (CPCB) and State Pollution Control Board (SPCB) and Health Ministry and other concerned to calibrate all such instruments to standardised form;
(d) if so, the response of these agencies in this regard; and
(e) the other corrective measures taken/ being taken by the Government in this regard?

Answer

MINISTER OF STATE OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y.S. CHOWDARY)

(a)&(b) Yes, Madam. Most of the pollution measuring and biomedical equipment are not calibrated as per standards in the country which affects quality of the measured data. CSIR- National Physical Laboratory (CSIR-NPL), New Delhi being the National Metrology Institute (NMI), has initiated the program to cater this national need. CSIR-NPL has established the primary ozone calibration facility which is being used by different organizations for calibrating their ozone analyzers used for monitoring ambient ozone concentrations. CSIR-NPL is also calibrating the biomedical equipment like clinical thermometer and Magnetic Resonance Imaging (MRI) machines for the calibration of temperature and magnetic field, respectively.

(c)&(d) CSIR-NPL organized a stakeholders meeting with the Central Pollution Control Board (CPCB) and State Pollution Control Boards (SPCBs) on 18 October 2016 at NPL to deliberate on the issue of calibration for ensuring quality in the pollution monitoring undertaken by various agencies in India. Subsequently, a Proficiency Testing (PT) exercise was jointly organized with the Central Pollution Control Board (CPCB) during 7-9 November 2016 to disseminate the traceability in Carbon monoxide (CO) measurements in which ten State Pollution Control Boards (SPCBs) also participated.

(e) CSIR-NPL has requested CPCB and SPCB at different forums to get their instruments calibrated periodically.

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